

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042498.D
 Acq On : 06 May 2025 16:01
 Operator : SY/MD
 Sample : MDL1 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 02:45:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.797	49	67566	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.972	114	173266	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.894	117	146037	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	133555	9.864	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
						Qvalue
32) 1,1,1-Trichloroethane	3.382	97	624m	0.036	ppbv	
35) Carbon Tetrachloride	3.764	117	575m	0.037	ppbv	
38) Trichloroethene	4.554	130	195m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	579m	0.041	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

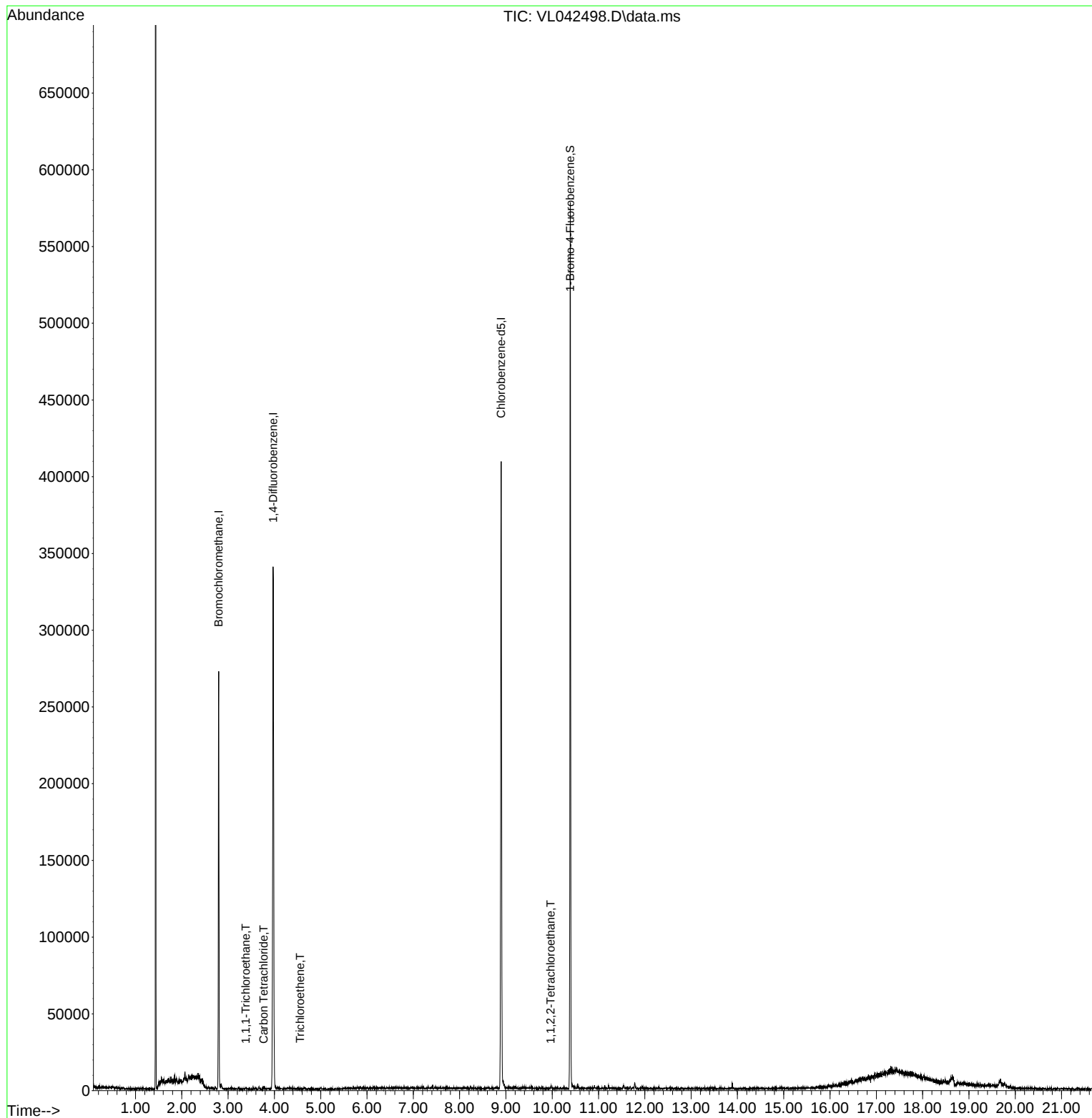
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042498.D
Acq On : 06 May 2025 16:01
Operator : SY/MD
Sample : MDL1 0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

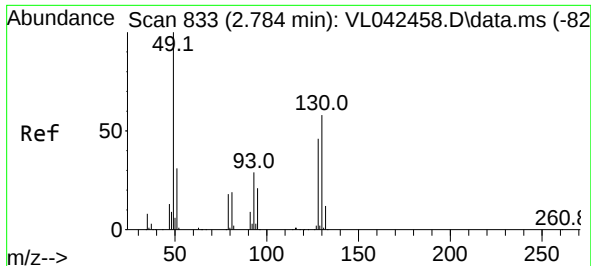
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

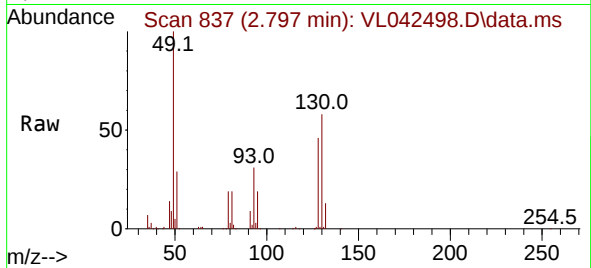
Quant Time: May 07 02:45:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042498.D
Acq: 06 May 2025 16:01

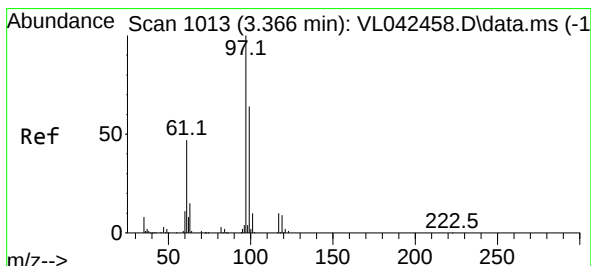
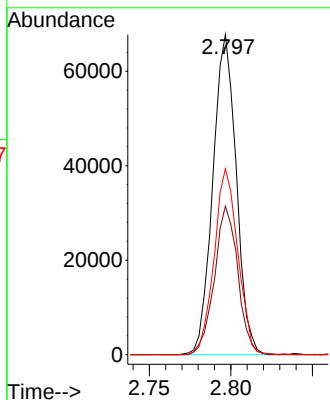
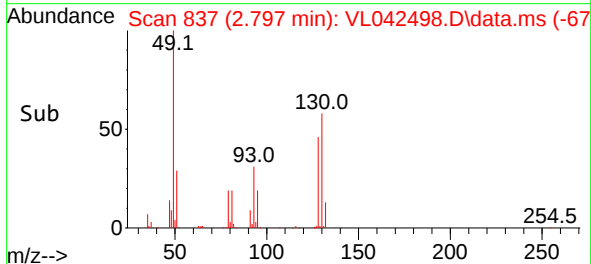
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.03



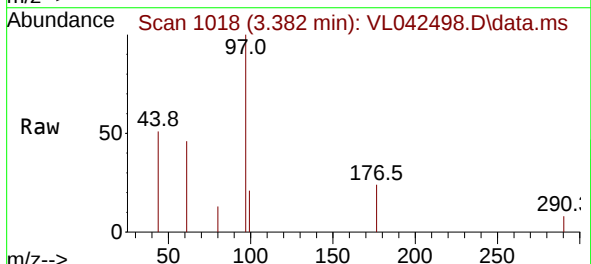
Tgt Ion: 49 Resp: 67560
Ion Ratio Lower Upper
49 100
128 46.3 23.3 69.9
130 58.8 29.5 88.6

Manual Integrations
APPROVED

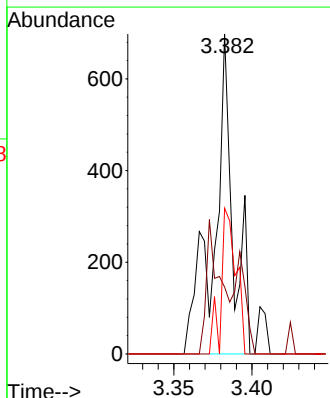
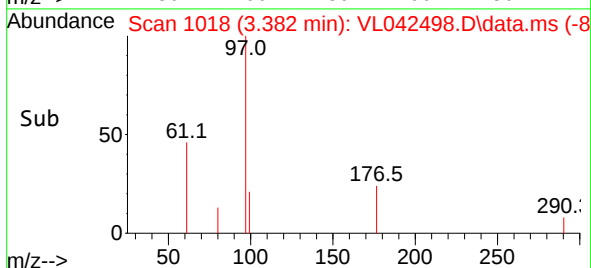
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

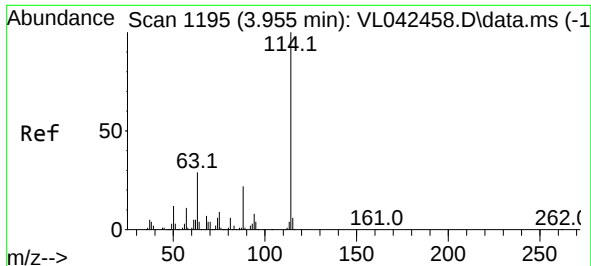


#32
1,1,1-Trichloroethane
Concen: 0.036 ppbv m
RT: 3.382 min Scan# 1018
Delta R.T. 0.016 min
Lab File: VL042498.D
Acq: 06 May 2025 16:01



Tgt Ion: 97 Resp: 624
Ion Ratio Lower Upper
97 100
99 0.0 50.7 76.1#
61 34.0 40.9 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1195

Delta R.T. 0.016 min

Lab File: VL042498.D

Acq: 06 May 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.03

Tgt Ion:114 Resp: 173260

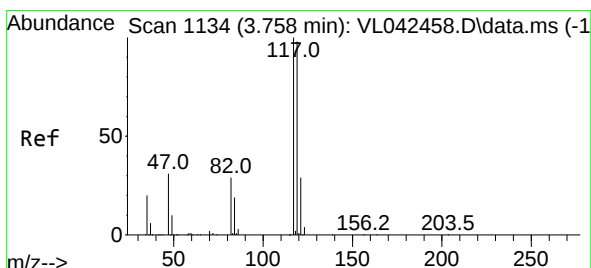
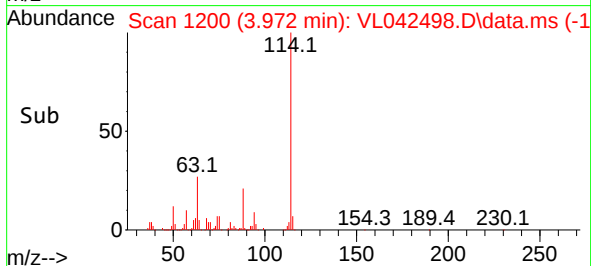
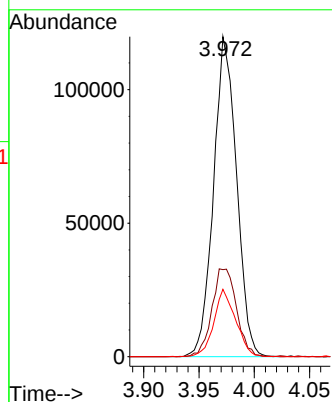
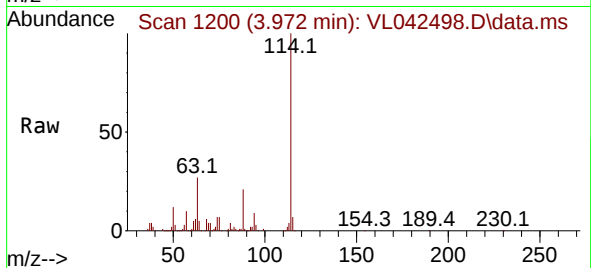
Ion	Ratio	Lower	Upper
114	100		
63	29.6	23.1	34.7
88	20.0	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#35

Carbon Tetrachloride

Concen: 0.037 ppbv m

RT: 3.764 min Scan# 1136

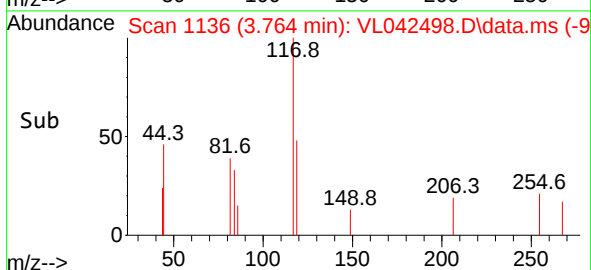
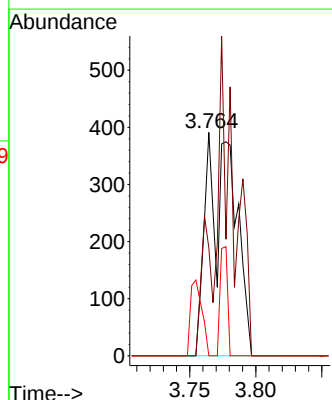
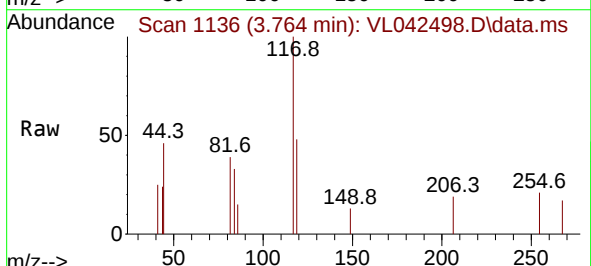
Delta R.T. 0.007 min

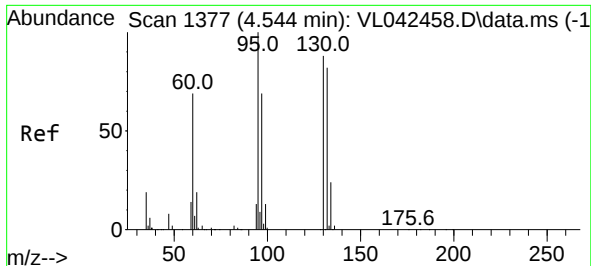
Lab File: VL042498.D

Acq: 06 May 2025 16:01

Tgt Ion:117 Resp: 575

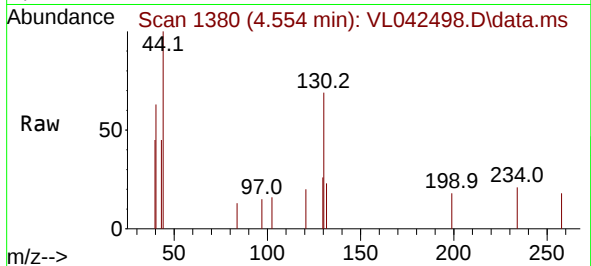
Ion	Ratio	Lower	Upper
117	100		
119	48.3	78.1	117.1#
121	0.0	23.0	34.6#





#38
 Trichloroethene
 Concen: 0.031 ppbv m
 RT: 4.554 min Scan# 1377
 Delta R.T. 0.010 min
 Lab File: VL042498.D
 Acq: 06 May 2025 16:01

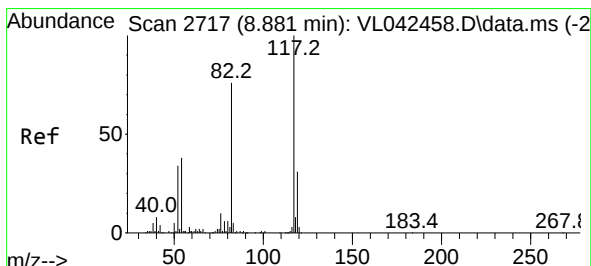
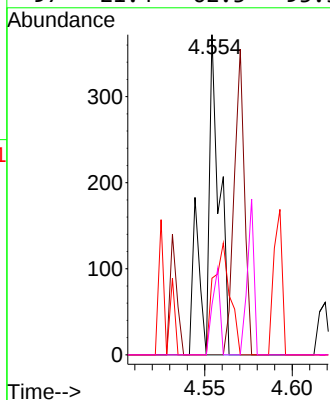
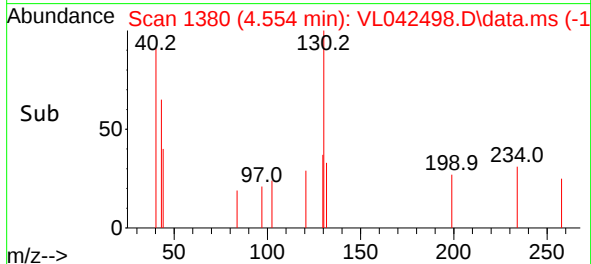
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.03



Tgt Ion:130 Resp: 198
 Ion Ratio Lower Upper
 130 100
 95 0.0 91.0 136.4
 132 32.8 74.2 111.4
 97 21.4 62.3 93.5

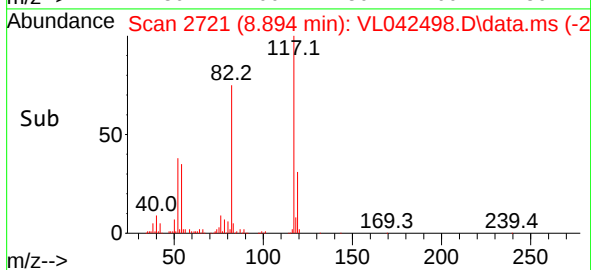
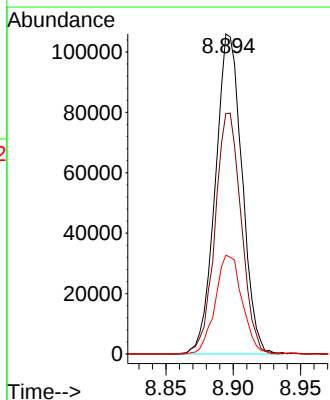
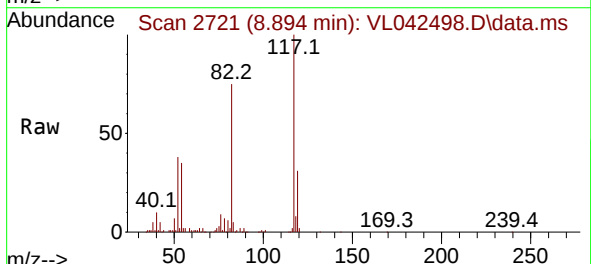
Manual Integrations
 APPROVED

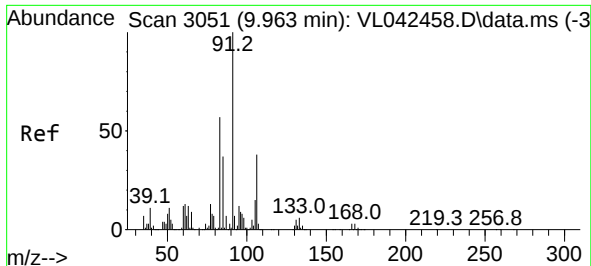
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.894 min Scan# 2721
 Delta R.T. 0.013 min
 Lab File: VL042498.D
 Acq: 06 May 2025 16:01

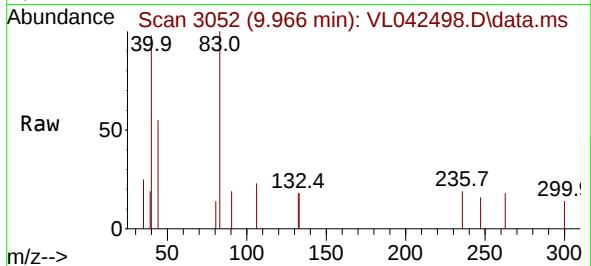
Tgt Ion:117 Resp: 146037
 Ion Ratio Lower Upper
 117 100
 82 73.9 63.5 95.3
 119 31.2 25.8 38.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.041 ppbv m
RT: 9.966 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042498.D
Acq: 06 May 2025 16:01

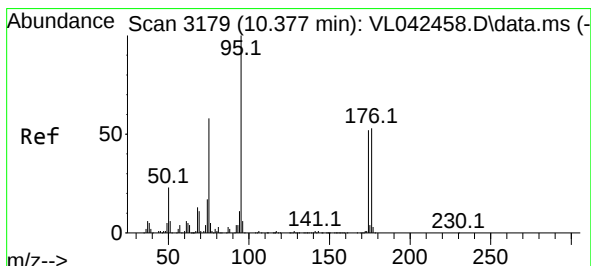
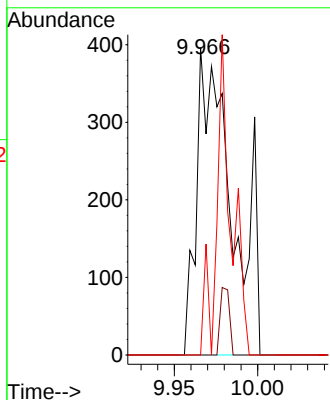
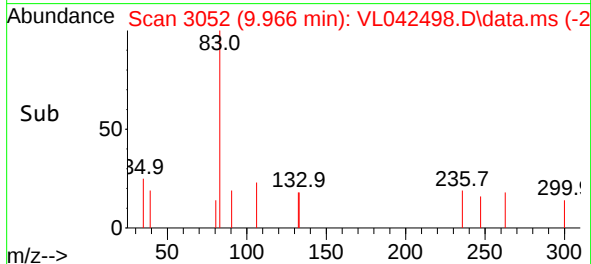
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.03



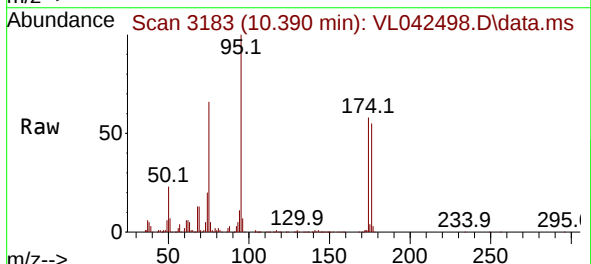
Tgt Ion: 83 Resp: 579
Ion Ratio Lower Upper
83 100
131 5.7 4.7 14.1
85 44.0 32.5 97.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.864 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.013 min
Lab File: VL042498.D
Acq: 06 May 2025 16:01



Tgt Ion: 95 Resp: 133555
Ion Ratio Lower Upper
95 100
174 54.3 42.7 64.1
175 4.1 3.6 5.4

